

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ellis Reinherz, Linda Clayton, Timothy D. Ocain and Raymond J. Patch
Application No.: 08/948,124 Group Art Unit: 1816
Filed: October 9, 1997
Title: THYMOCYTE CASPASE ACTIVITY AND NEGATIVE SELECTION

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>July 10, 1998</u>	<u>Marlene R. Fitch</u>
Date	Signature
<u>Marlene R. Fitch</u>	
Typed or printed name of person signing certificate	

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$240.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a Petition under 37 CFR 1.97(d)(2), and
- ☐ a \$130.00 petition fee set forth in 37 CFR 1.17(l).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- ☐ Applicant requests that the attached IDS and cited reference(s) _____ be placed in the application filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☒ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of the cited references (AW5-AY5) are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. _____, and references that are not required to be submitted under 37 CFR 1.98.
- ☒ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☐ The "concise explanation" requirement for reference(s) _____ under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ the enclosed English language abstract.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ Enclosed is a check in the amount of \$ _____.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$ _____.
- ☐ A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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Lexington, Massachusetts 02421-4702
Dated: July 10, 1998

FORM FTO-1449

(REV. 7-80)

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.

DFCI-522A

SERIAL NO.

08/948,124

APPLICANT

Ellis Reinherz, et al.

FILING DATE

October 9, 1997

GROUP

1816

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AW5	Takahashi, A., et al., "CrmA/SPI-2 Inhibition of an Endogenous ICE-related Protease Responsible for Lamin A Cleavage and Apoptotic Nuclear Fragmentation", <i>The Journal of Biological Chemistry</i> , 271(51):32487-32490 (1996)
AX5	Xiang, J., et al., "BAX-Induced Cell Death May Not Require Interleukin 1 β -Converting Enzyme-Like Proteases", <i>Proc. Natl. Acad. Sci.</i> , 93:14559-14563 (1996)
AY5	Takahashi, A., et al., "Inhibition of ICE-Related Proteases (Caspases) and Nuclear Apoptosis by Phenylarsine Oxide", <i>Experimental Cell Research</i> , 231:123-131 (1997)

EXAMINER

DATE CONSIDERED